APPENDIX--CLAIMS AS PENDING

1. (Amended) [An] A monoclonal antibody [that binds] specifically bound to a RET antigen on a cell selected from the group consisting of a multipotent neuronal progenitor (proNP) cell, a nonneuronal progenitor (NNP) cell and a committed neuronal progenitor (NP) cell.

2. (Amended) [An] The monoclonal antibody according to claim 1, wherein said RET antigen consists essentially of the extracellular domain of RET.

4. (Amended) A method for the enrichment of neural progenitor cells, said method comprising:

a) combining a mixed population of cells comprising neural-crest derived cells comprising neural progenitor cells with a reagent that specifically binds to a RET antigen; and

b) selecting for RET positive cells.

5. A method according to claim 4 wherein said reagents are antibodies.

6. A method according to claim 5, wherein at least one of said antibodies is fluorochrome conjugated.

7. (Amended) A method according to claim 6, wherein said selecting with said [fluorochrom] fluorochrome conjugated antibodies is by flow cytometry.

8. (Amended) A substantially pure population of neural crest derived neural progenitor cells where said cells are selected from the group consisting of multipotent neuronal progenitor (proNP) cells, nonneuronal progenitor (NNP) cells and committed neuronal progenitor (NP) cells.

12. A population according to claim 8 wherein said neural progenitor cells are bound to a reagent that specifically binds to RET antigen.

13. A population according to claim 12 wherein said reagent is a RET antibody.

14. A population according to claim 13 wherein said antibody is a monoclonal antibody.

15. A method for the enrichment of neural progenitor cells, said method comprising:

a) combining a mixed population of cells comprising neural-crest derived cells comprising neural progenitor cells with a monoclonal antibody that specifically binds to a RET antigen; and

b) selecting for RET positive cells.